

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
 Data File : BF087140.D
 Acq On : 18 May 2016 9:30
 Operator : UM/SJ
 Sample : H2968-07RE 2X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUPBRE

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Quant Time: May 18 13:37:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	110004	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	438457	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	184080	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	283221	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	218342	20.00	ng	-0.02
86) Perylene-d12	15.11	264	171796	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	539607	82.45	ng	-0.02
7) Phenol-d6	6.26	99	745552	84.94	ng	-0.02
23) Nitrobenzene-d5	7.16	82	459617	52.24	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	128968	63.40	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	688131	61.91	ng	-0.02
78) Terphenyl-d14	12.70	244	461546	47.82	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.50	152	42206	2.36	ng	97
49) Dimethylphthalate	9.36	163	63082	4.49	ng	99
70) Phenanthrene	11.13	178	155336	10.11	ng	99
71) Anthracene	11.19	178	74307	4.78	ng	98
74) Fluoranthene	12.32	202	527056	34.25	ng	92
77) Pyrene	12.54	202	412697	26.16	ng	97
80) Benzo(a)anthracene	13.73	228	281235	22.28	ng	93
82) Chrysene	13.76	228	192685m	15.77	ng	
85) Indeno(1,2,3-cd)pyrene	16.35	276	70434	6.57	ng	93
87) Benzo(b)fluoranthene	14.74	252	258223m	22.66	ng	
88) Benzo(k)fluoranthene	14.75	252	50429m	5.94	ng	
89) Benzo(a)pyrene	15.05	252	142325	14.94	ng	# 90
91) Benzo(a,h,i)perylene	16.73	276	61154	7.55	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

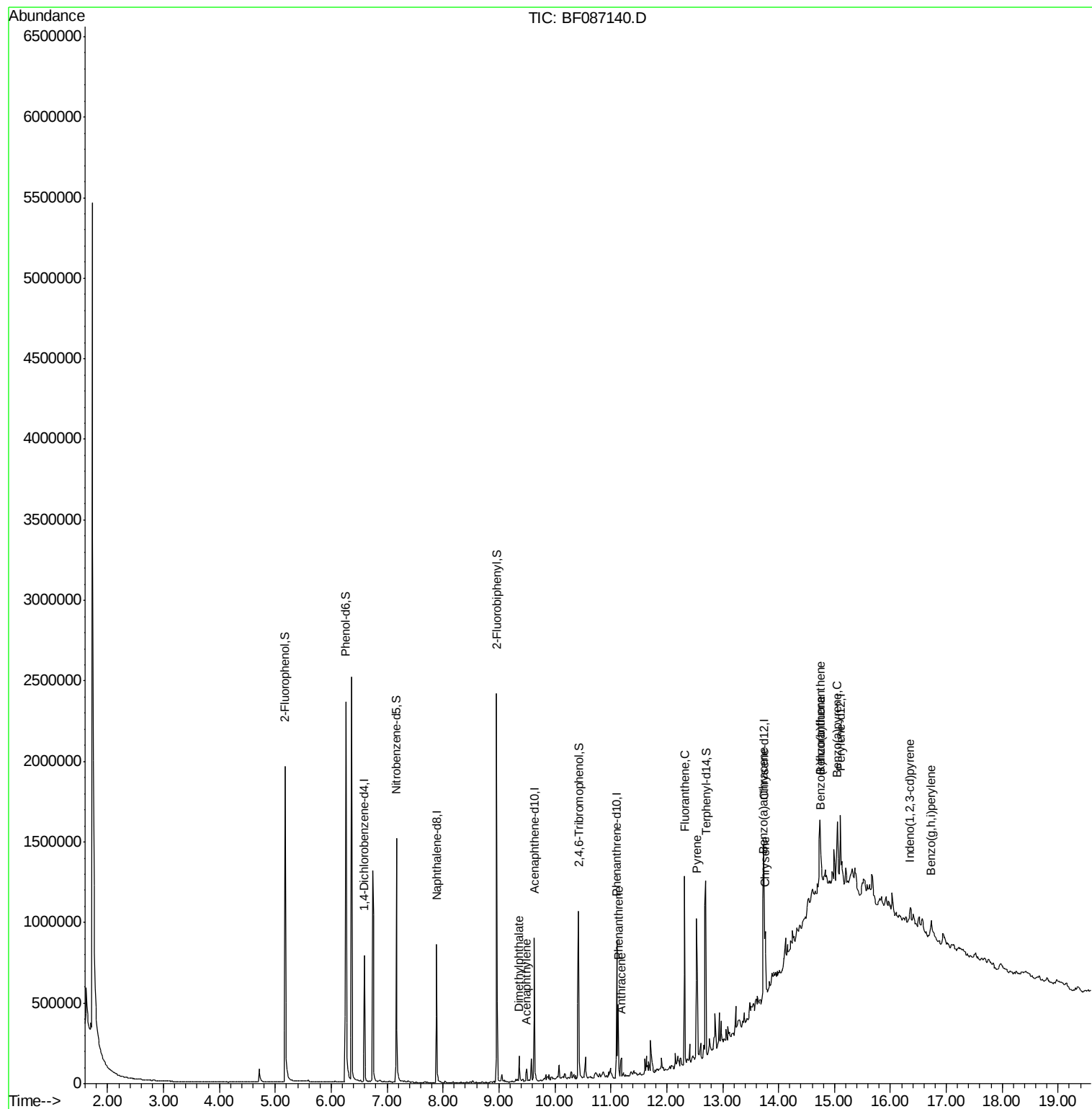
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087140.D
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Misc :
ALS Vial : 42 Sample Multiplier: 1

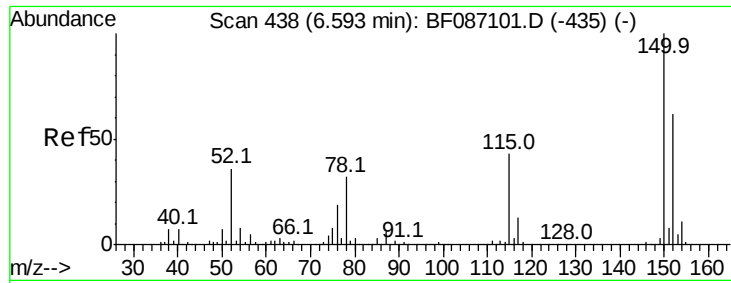
Instrument :
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Quant Time: May 18 13:37:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 16:55:01 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087140.D

Acq: 18 May 2016 9:30

Instrument :

BNA_F

ClientSampleId :

DUPBRE

Tot Ion:152 Resp: 110004

Ion Ratio Lower Upper

152 100

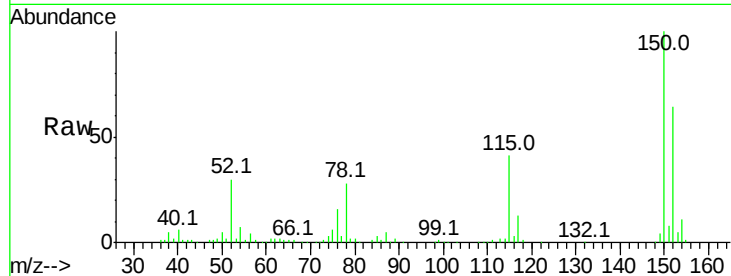
150 156.9 125.8 188.6

115 63.7 51.5 77.3

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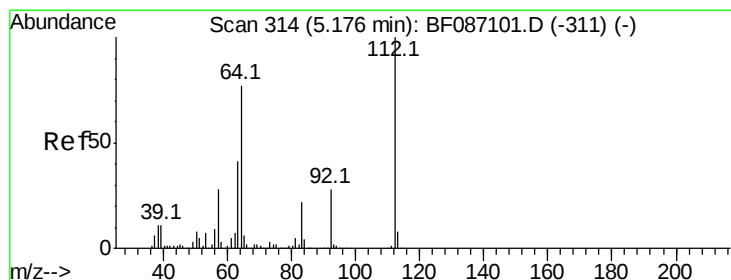
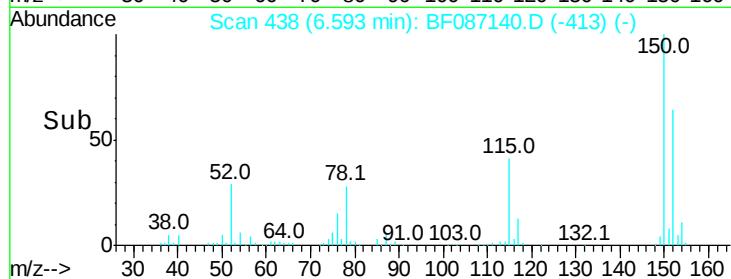
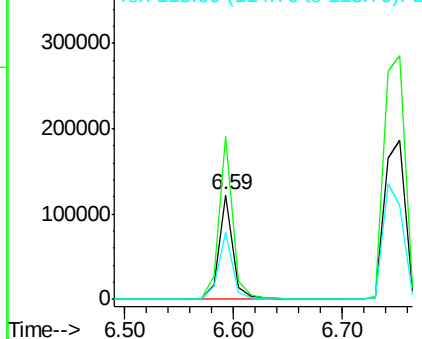
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 82.45 ng

RT: 5.18 min Scan# 314

Delta R.T. -0.02 min

Lab File: BF087140.D

Acq: 18 May 2016 9:30

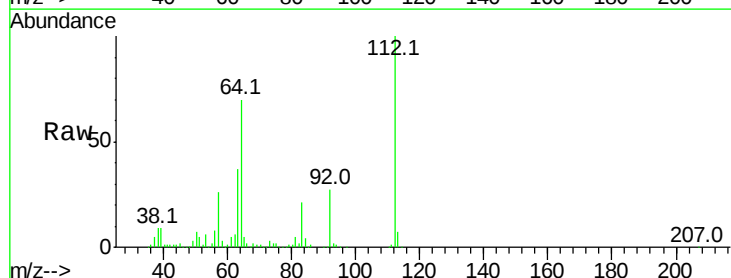
Tgt Ion:112 Resp: 539607

Ion Ratio Lower Upper

112 100

64 69.5 52.1 78.1

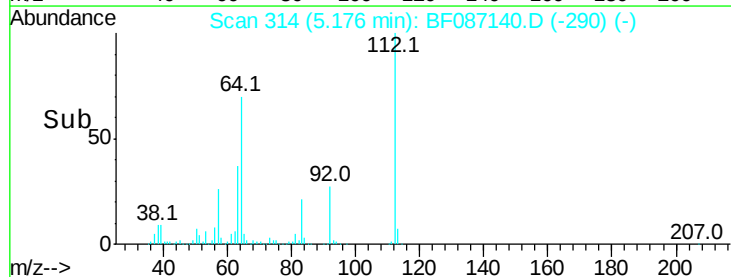
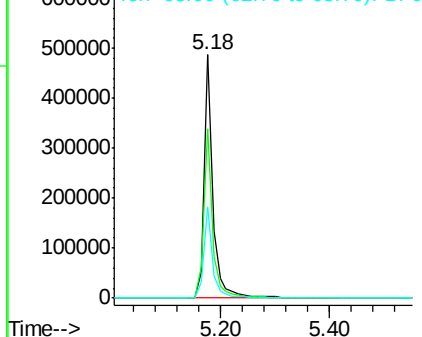
63 37.4 25.7 38.5

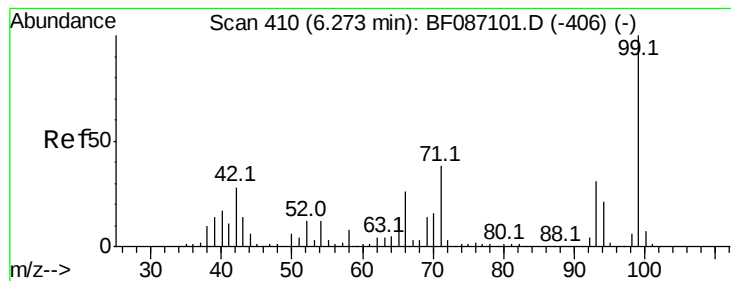


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 84.94 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF087140.D

Acq: 18 May 2016 9:30

Instrument :

BNA_F

ClientSampled :

DUPBRE

Tot Ion: 99 Resp: 745552
Ion Ratio Lower Upper

99 100

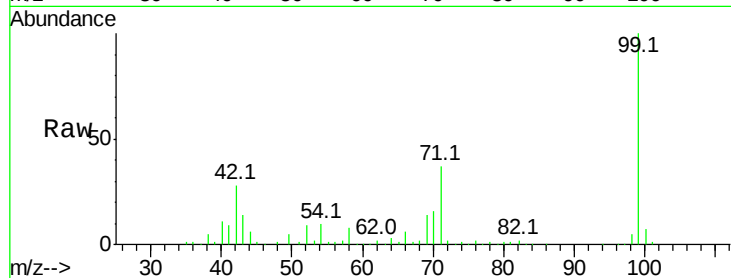
42 27.6 13.6 20.4#

71 37.3 24.6 36.8#

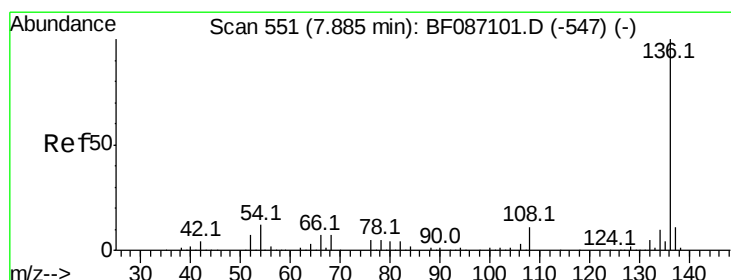
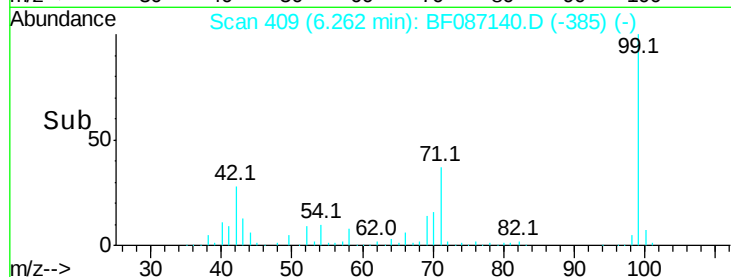
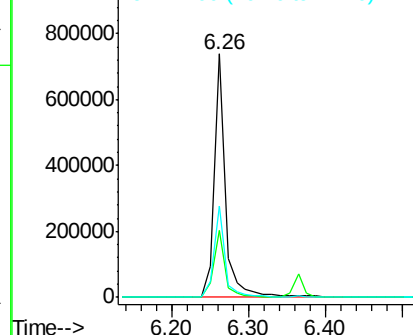
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF087140.D

Acq: 18 May 2016 9:30

Tgt Ion: 136 Resp: 438457
Ion Ratio Lower Upper

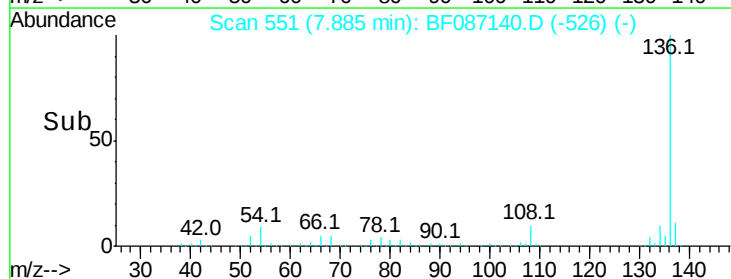
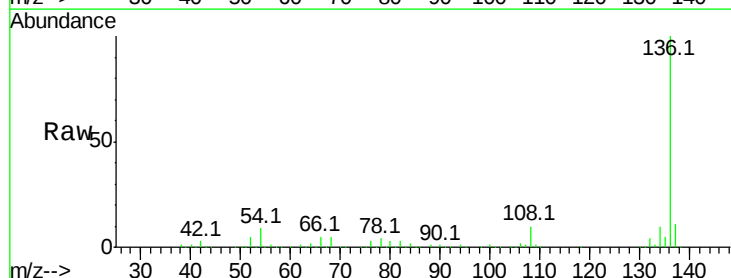
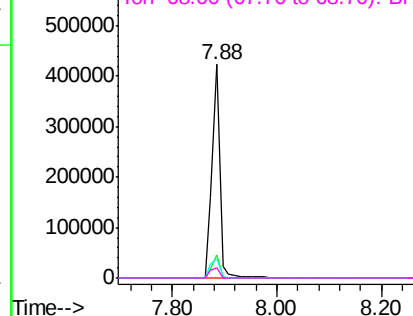
136 100

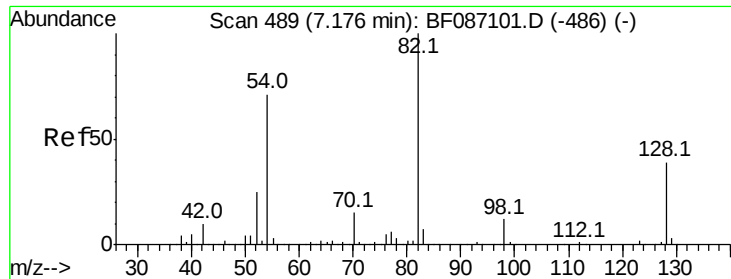
137 10.6 8.8 13.2

54 8.9 5.0 7.4#

68 4.9 4.4 6.6

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





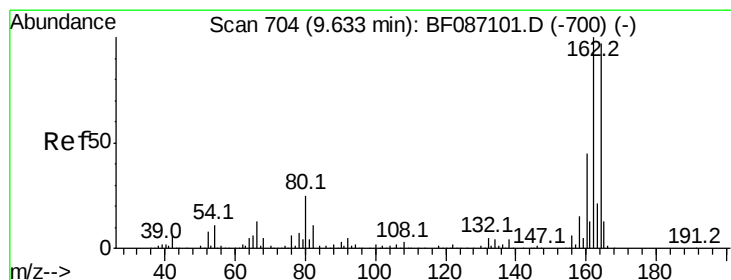
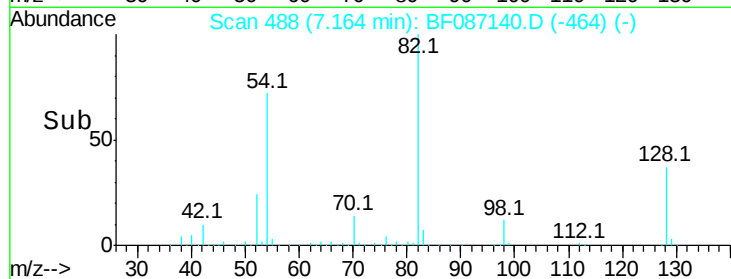
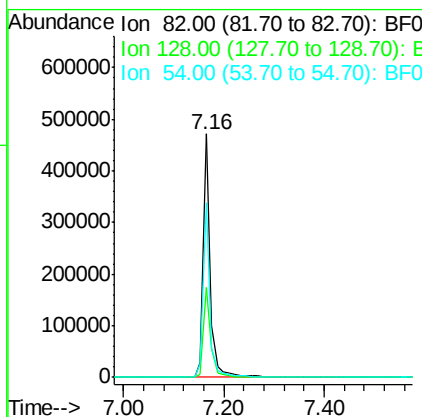
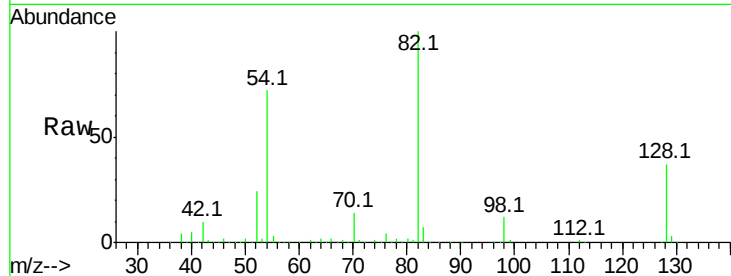
#23
 Nitrobenzene-d5
 Concen: 52.24 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.02 min
 Lab File: BF087140.D
 Acq: 18 May 2016 9:30

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	36.8	40.6	61.0#
54	71.7	38.1	57.1#

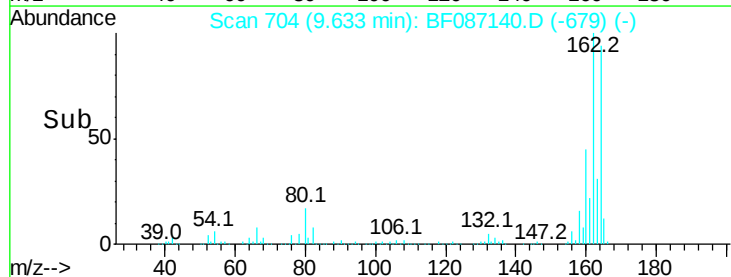
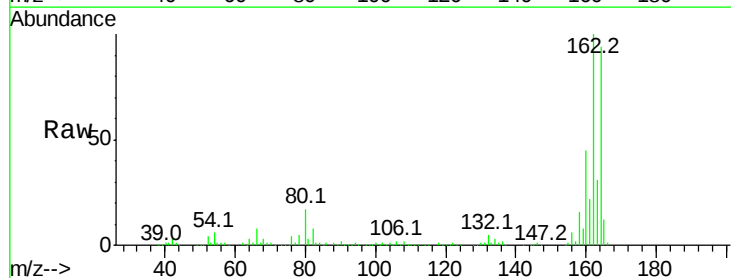
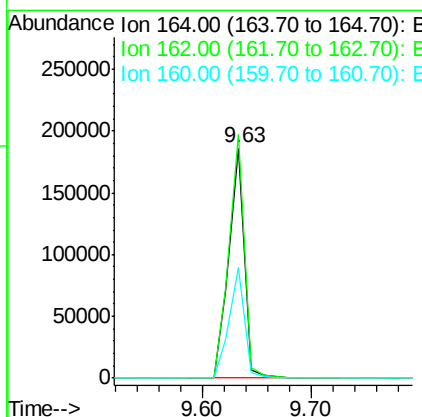
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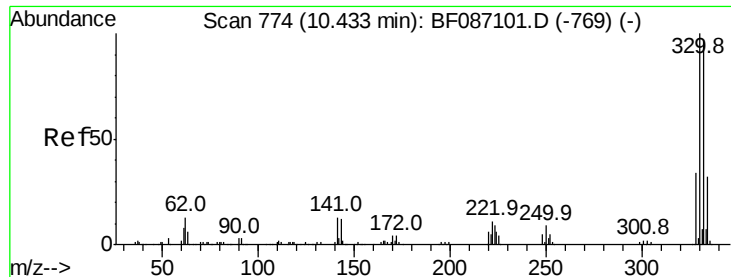
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: BF087140.D
 Acq: 18 May 2016 9:30

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	106.0	82.8	124.2
160	48.2	36.9	55.3





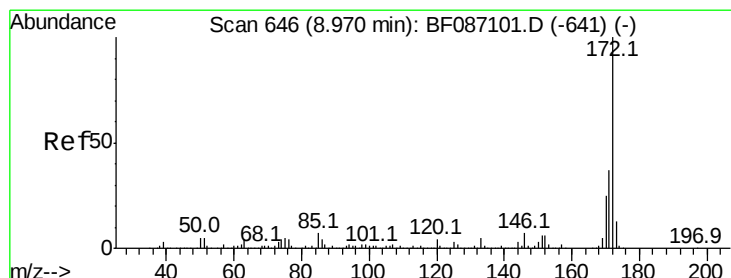
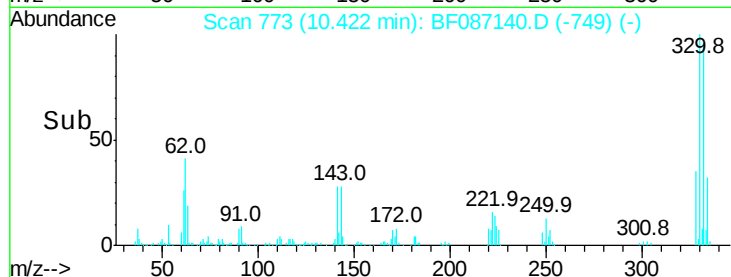
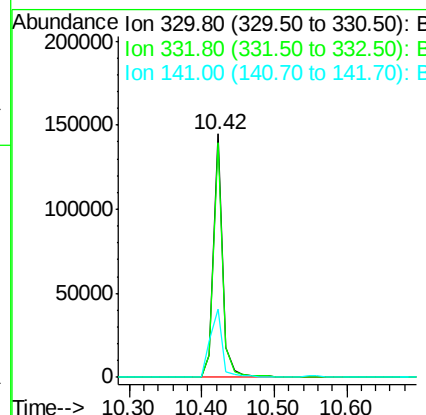
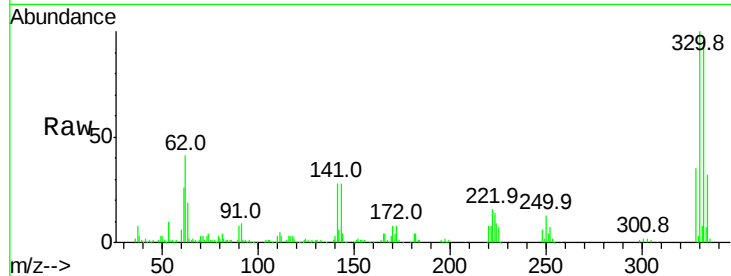
#41
 2,4,6-Tribromophenol
 Concen: 63.40 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087140.D
 Acq: 18 May 2016 9:30

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	79.0	118.4	
141	38.0	31.2	46.8	

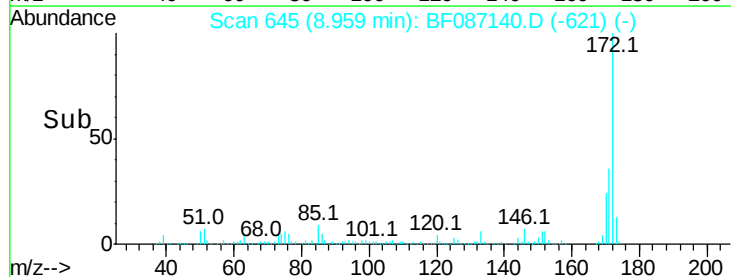
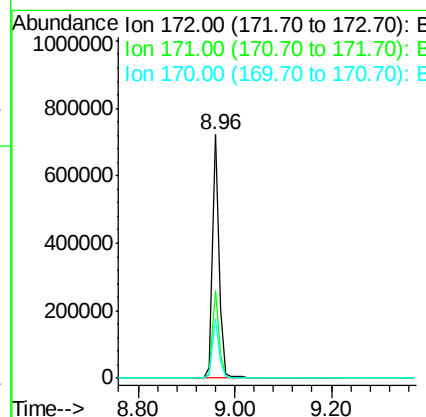
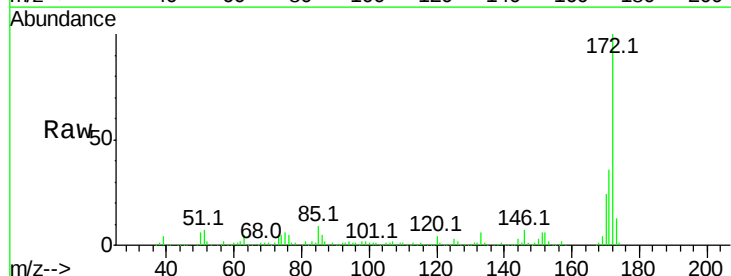
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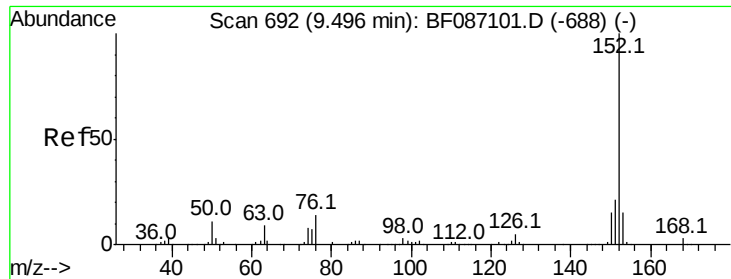
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#44
 2-Fluorobiphenyl
 Concen: 61.91 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF087140.D
 Acq: 18 May 2016 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.0	43.6	
170	24.5	19.8	29.8	





#48

Acenaphthylene

Concen: 2.36 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF087140.D

Acq: 18 May 2016 9:30

Instrument :

BNA_F

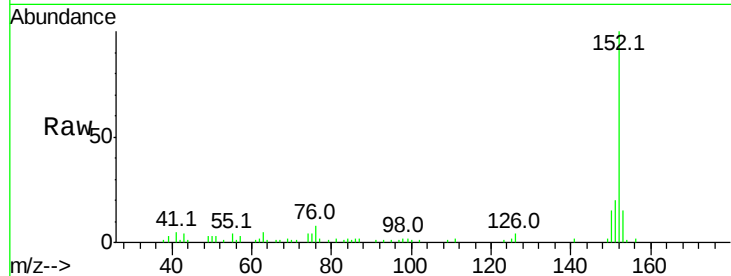
ClientSampleId :

DUPBRE

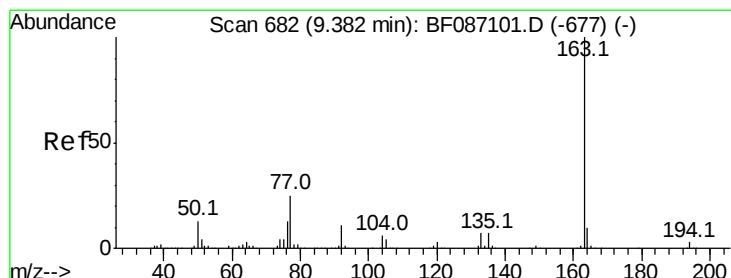
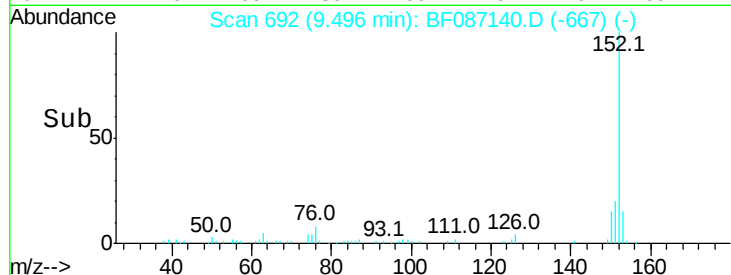
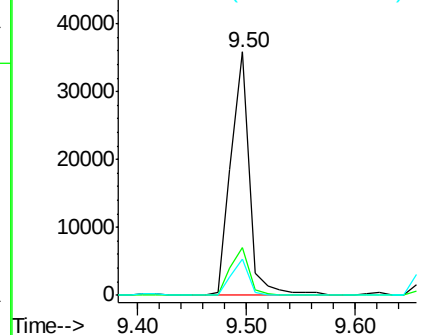
Tot Ion:	152	Resp:	42206
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.8	25.2
153	14.7	10.9	16.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 4.49 ng

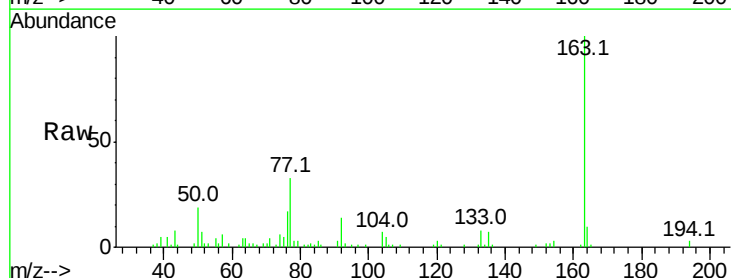
RT: 9.36 min Scan# 680

Delta R.T. -0.03 min

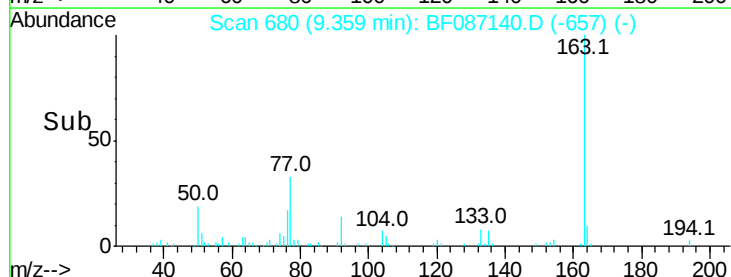
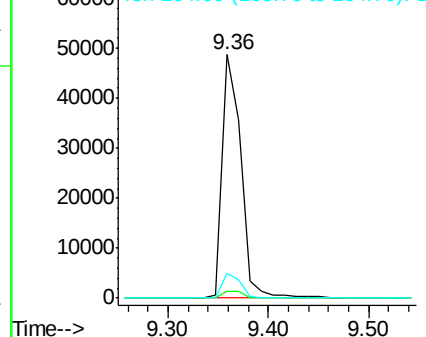
Lab File: BF087140.D

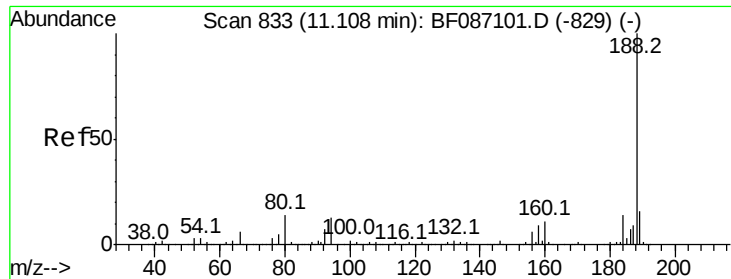
Acq: 18 May 2016 9:30

Tgt Ion:	163	Resp:	63082
Ion Ratio	Lower	Upper	
163	100		
194	2.7	2.6	4.0
164	10.1	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





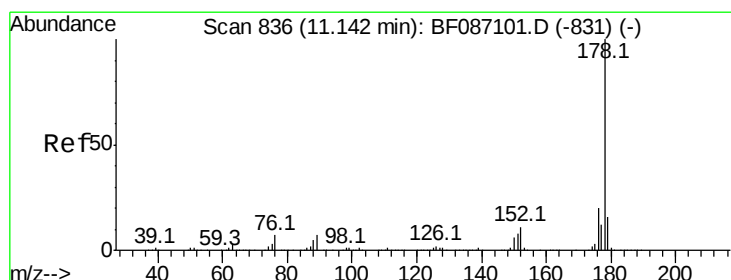
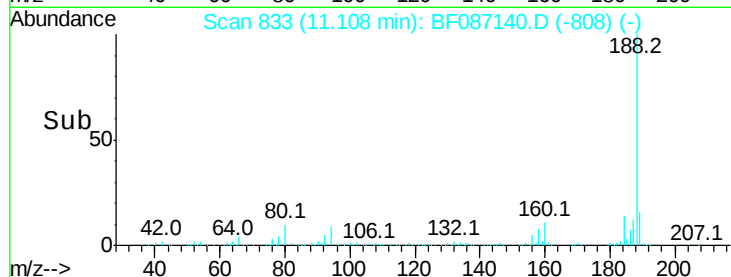
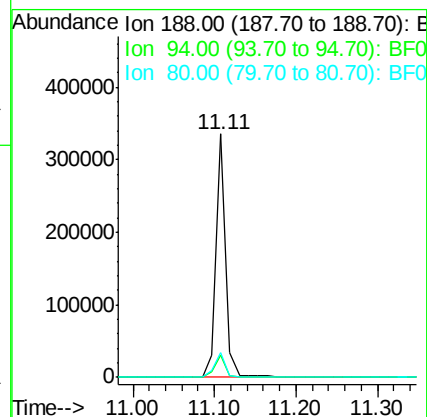
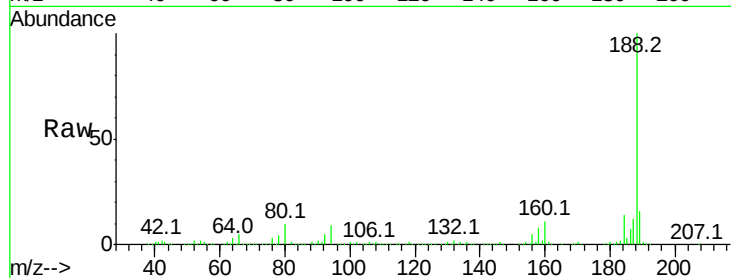
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF087140.D
Acq: 18 May 2016 9:30

Instrument :
BNA_F
ClientSampleId :
DUPBRE

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	6.8	10.2
80	10.3	7.1	10.7

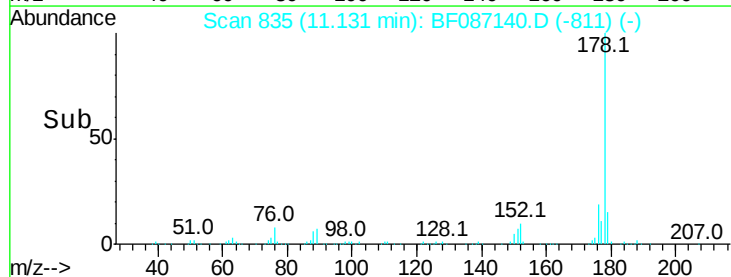
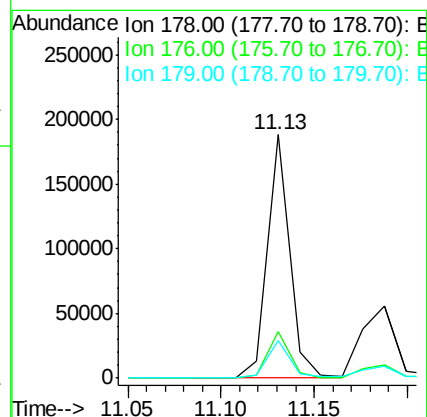
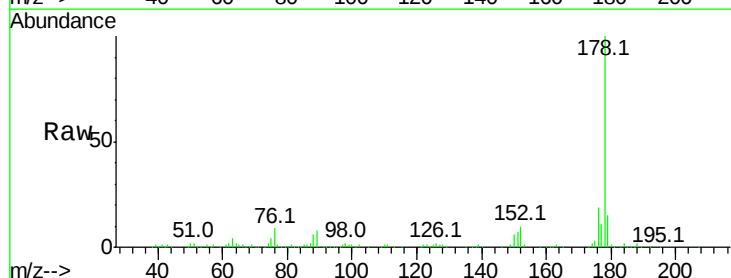
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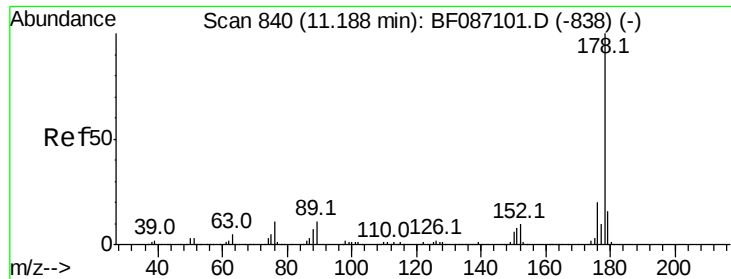
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#70
Phenanthrene
Concen: 10.11 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.02 min
Lab File: BF087140.D
Acq: 18 May 2016 9:30

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	16.0	24.0
179	15.3	12.6	18.8





#71

Anthracene

Concen: 4.78 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF087140.D

Acq: 18 May 2016 9:30

Instrument :

BNA_F

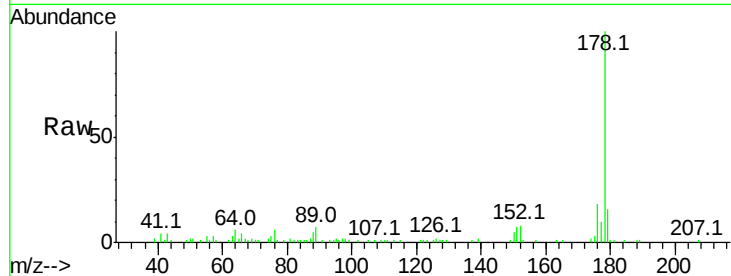
ClientSampleId :

DUPBRE

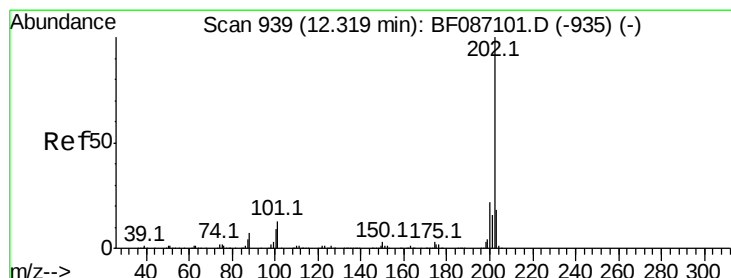
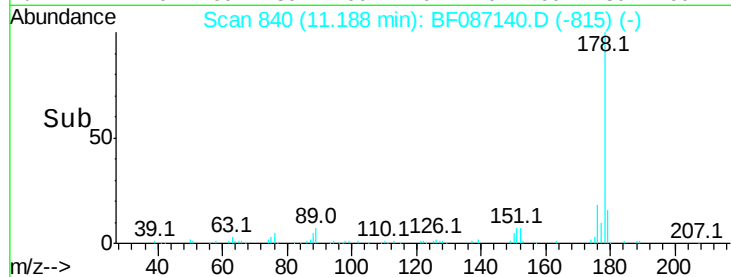
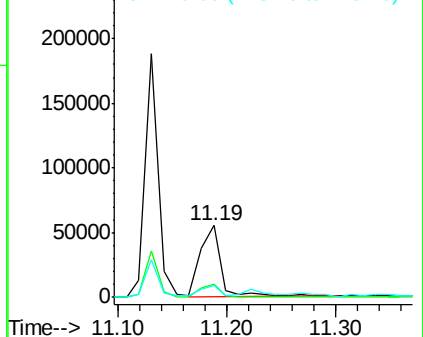
Tot Ion:	178	Resp:	74307
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.6	23.4
179	16.0	12.7	19.1

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 34.25 ng

RT: 12.32 min Scan# 939

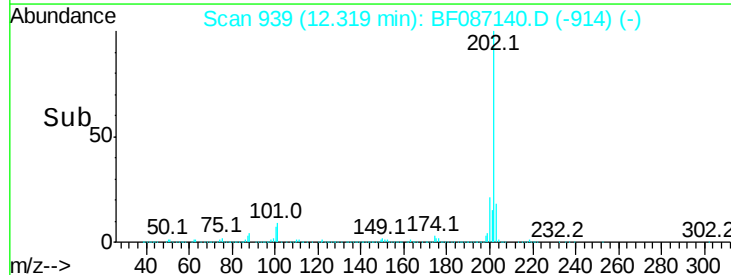
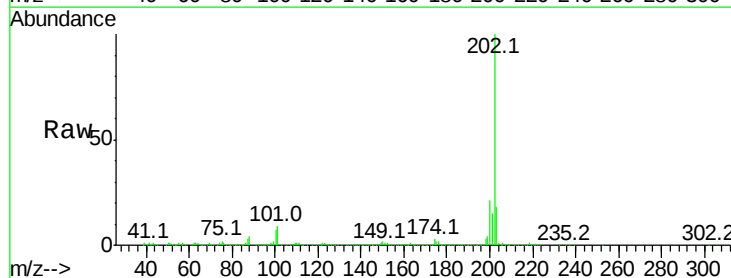
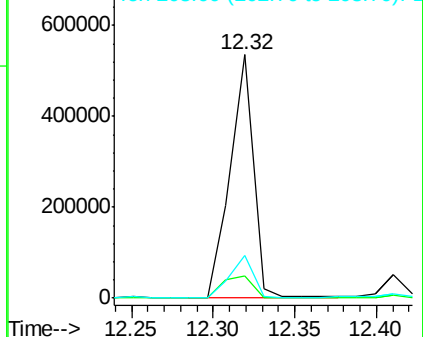
Delta R.T. -0.01 min

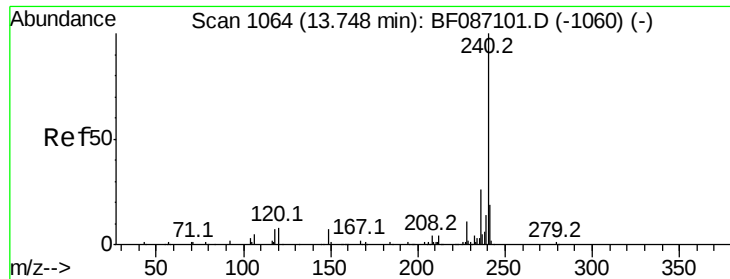
Lab File: BF087140.D

Acq: 18 May 2016 9:30

Tgt Ion:	202	Resp:	527056
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	35.4
203	17.6	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF087140.D

Acq: 18 May 2016 9:30

Instrument :

BNA_F

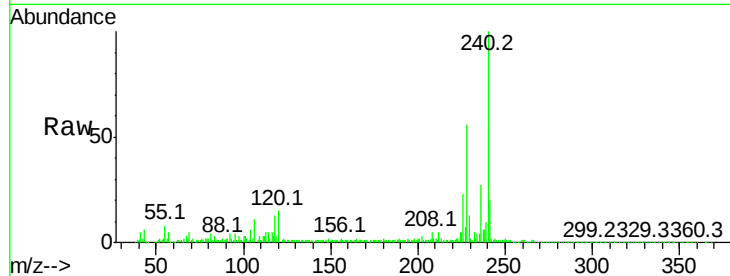
ClientSampleId :

DUPBRE

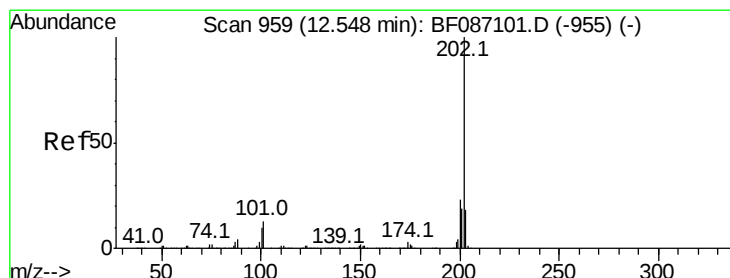
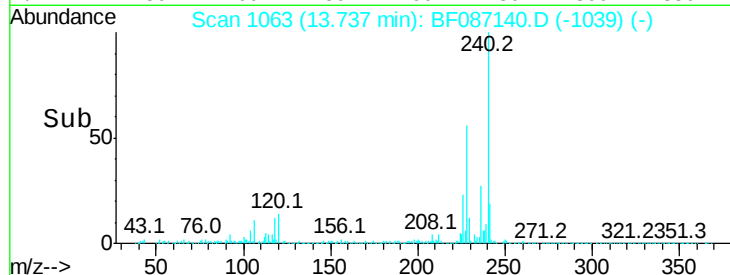
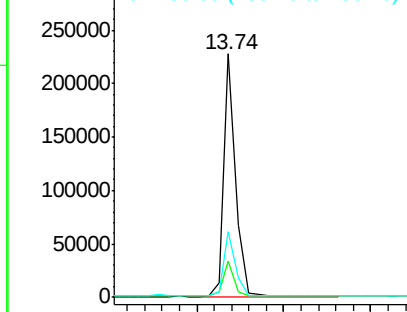
Tot Ion:	240	Resp:	218342
Ion Ratio	Lower	Upper	
240	100		
120	14.7	11.2	16.8
236	27.2	21.2	31.8

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 26.16 ng

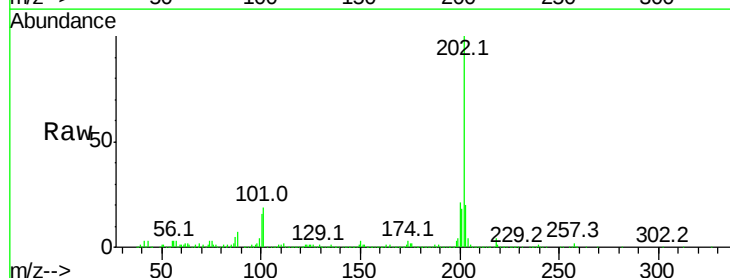
RT: 12.54 min Scan# 958

Delta R.T. -0.02 min

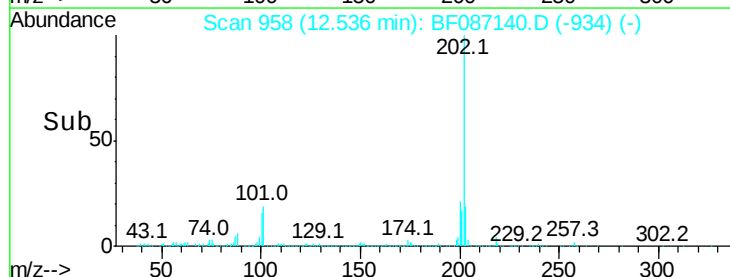
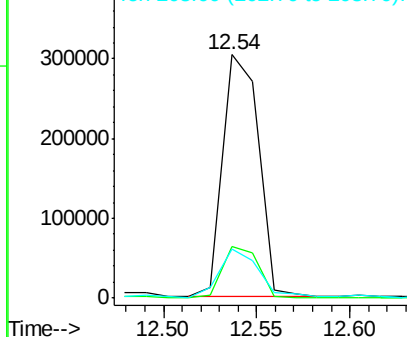
Lab File: BF087140.D

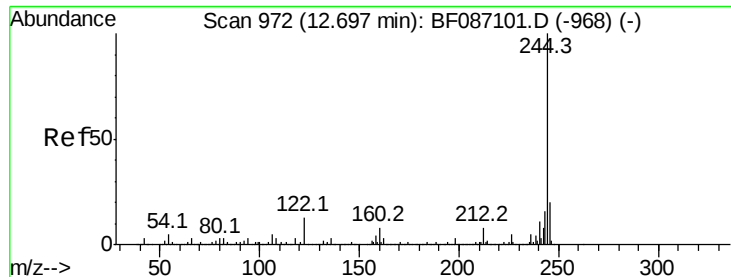
Acq: 18 May 2016 9:30

Tgt Ion:	202	Resp:	412697
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.7	26.5
203	20.0	14.2	21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 47.82 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF087140.D

Acq: 18 May 2016 9:30

Instrument :

BNA_F

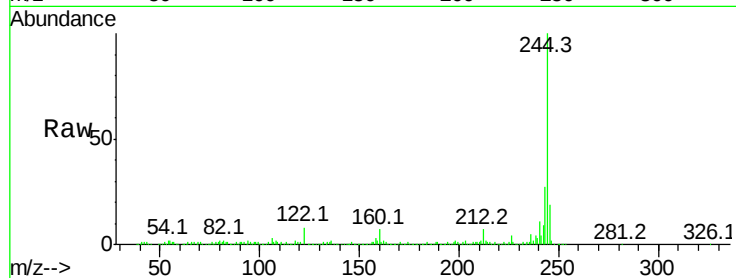
ClientSampled :

DUPBRE

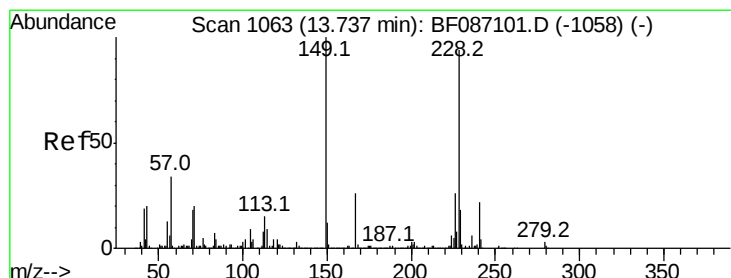
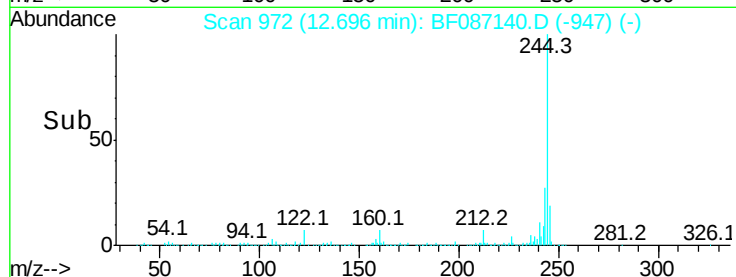
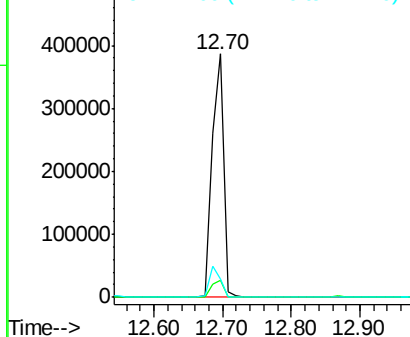
Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.0	6.2	9.2	
122	7.6	12.0	18.0	

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 22.28 ng

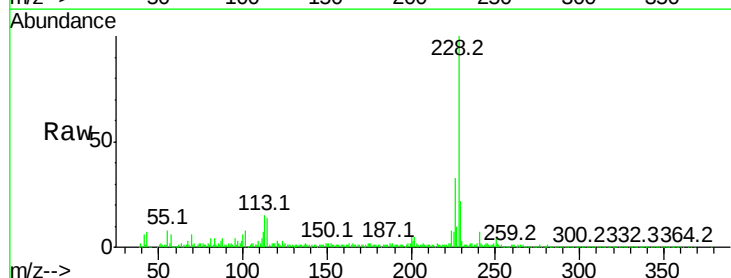
RT: 13.73 min Scan# 1062

Delta R.T. -0.02 min

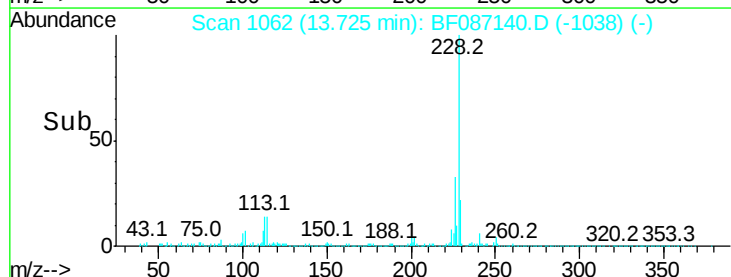
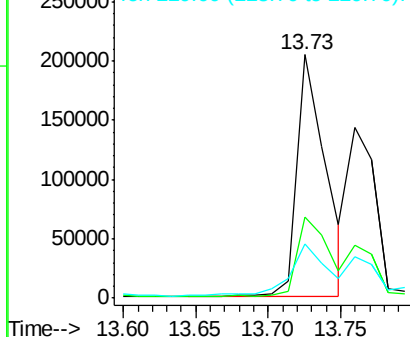
Lab File: BF087140.D

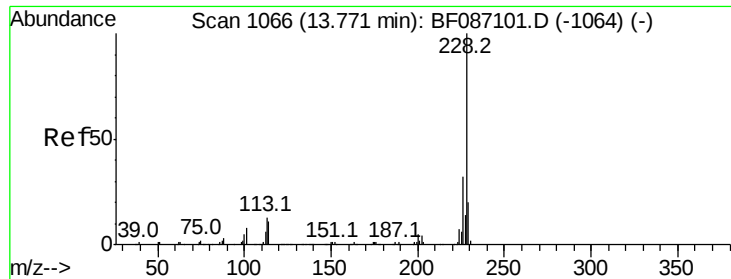
Acq: 18 May 2016 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	33.2	22.5	33.7	
229	22.4	16.6	25.0	



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.77 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BF087140.D

Acq: 18 May 2016 9:30

Instrument :

BNA_F

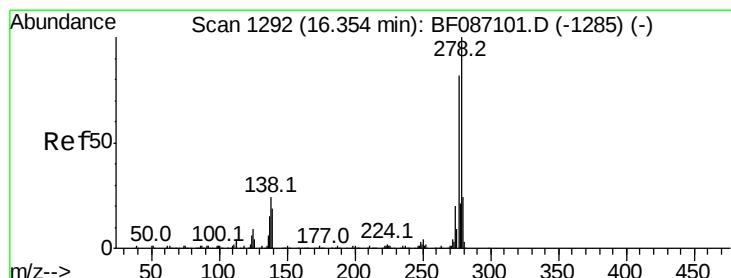
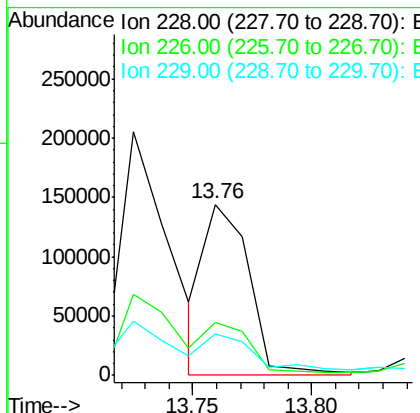
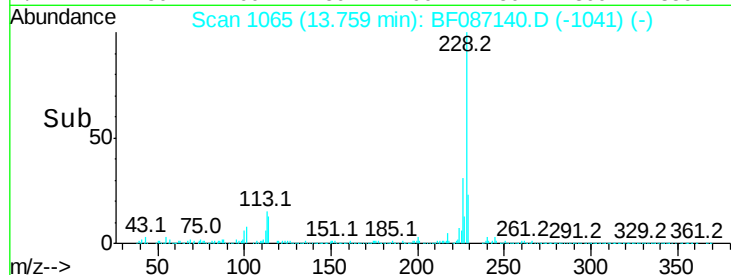
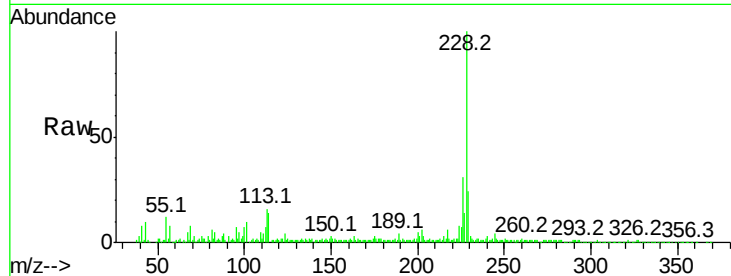
ClientSampled :

DUPBRE

Tot Ion:	228	Resp:	192685
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.4	36.6
229	24.0	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.57 ng

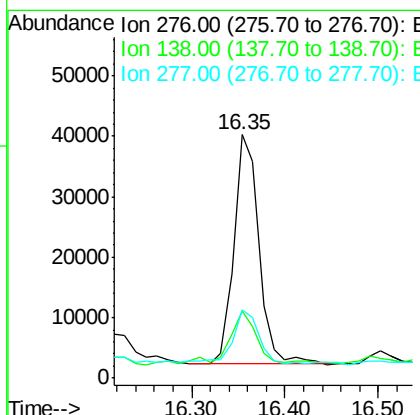
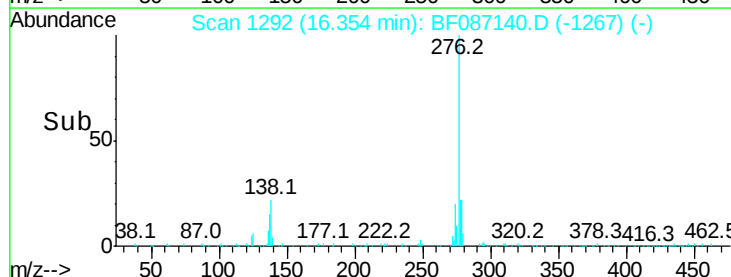
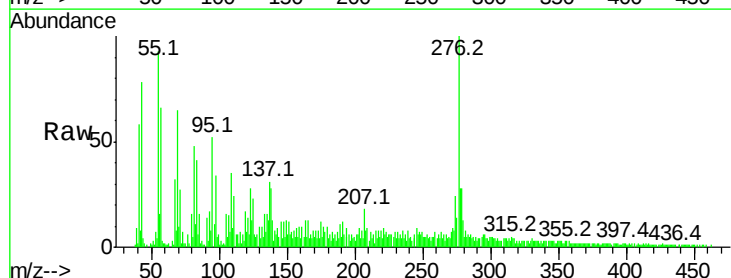
RT: 16.35 min Scan# 1292

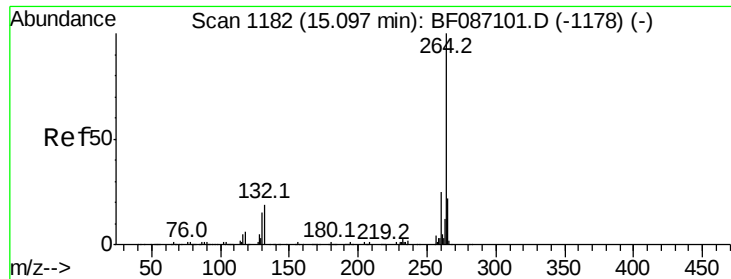
Delta R.T. -0.01 min

Lab File: BF087140.D

Acq: 18 May 2016 9:30

Tgt Ion:	276	Resp:	70434
Ion Ratio	Lower	Upper	
276	100		
138	26.5	25.6	38.4
277	24.1	20.5	30.7





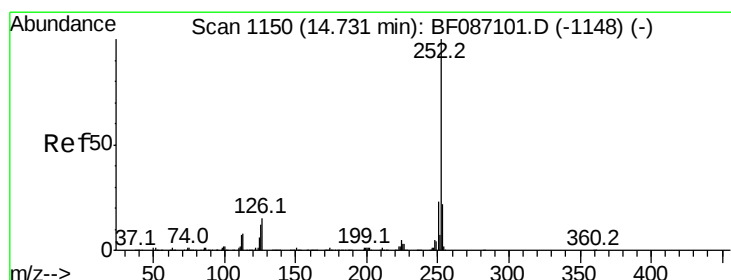
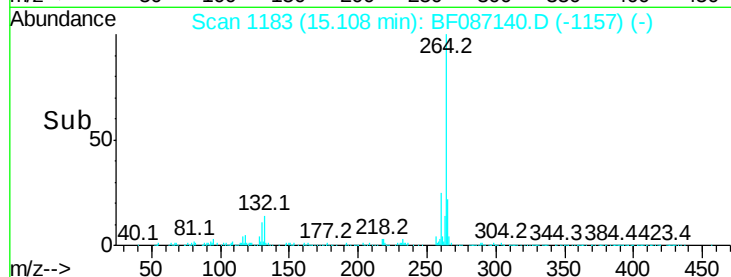
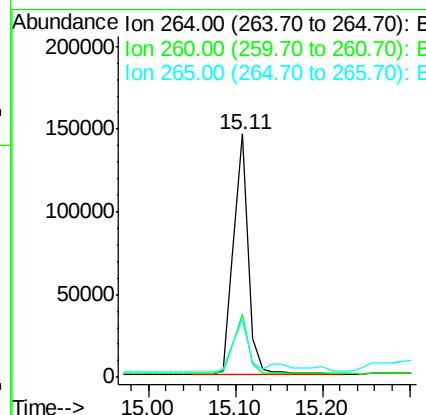
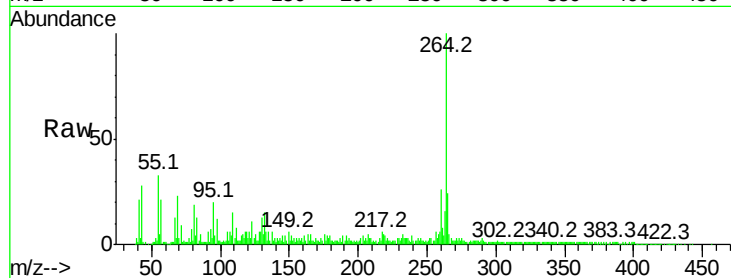
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BF087140.D
Acq: 18 May 2016 9:30

Instrument :
BNA_F
ClientSampleId :
DUPBRE

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	26.1	19.5	29.3
265	23.9	17.3	25.9

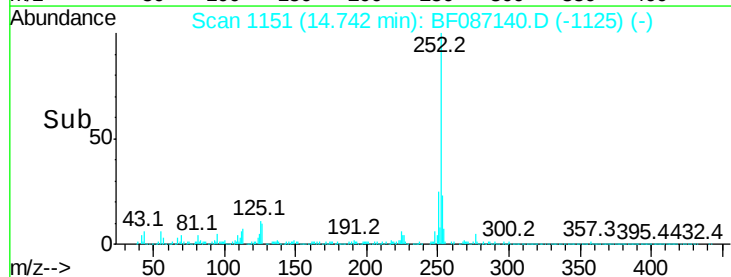
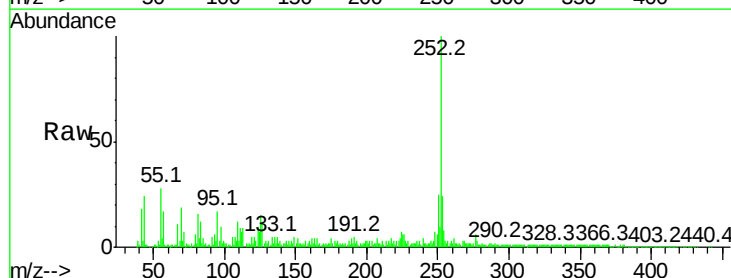
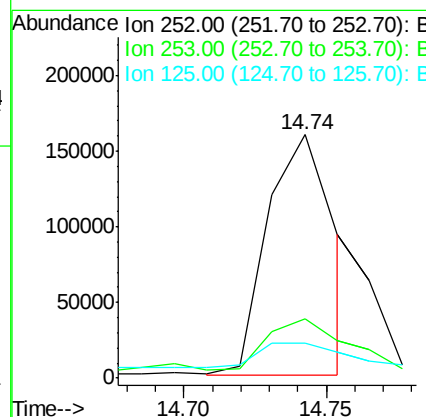
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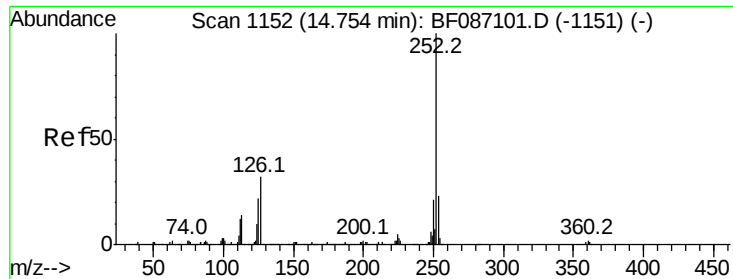
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#87
Benzo(b)fluoranthene
Concen: 22.66 ng m
RT: 14.74 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF087140.D
Acq: 18 May 2016 9:30

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.5	17.8	26.6
125	14.5	11.4	17.0





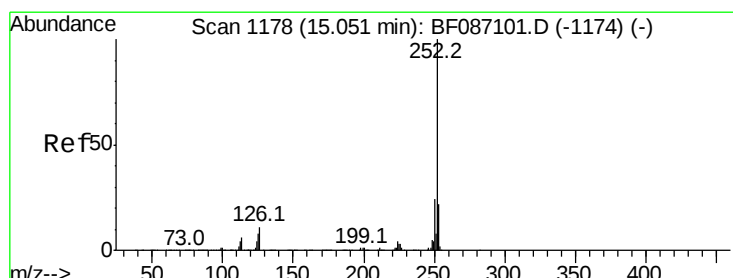
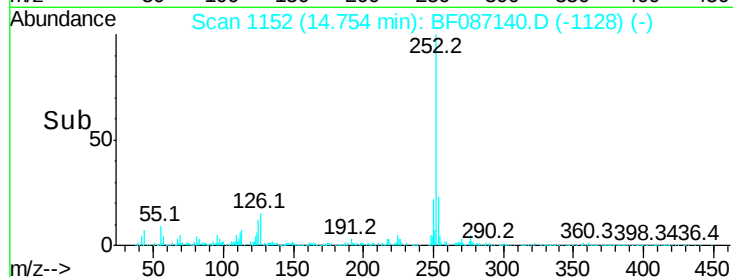
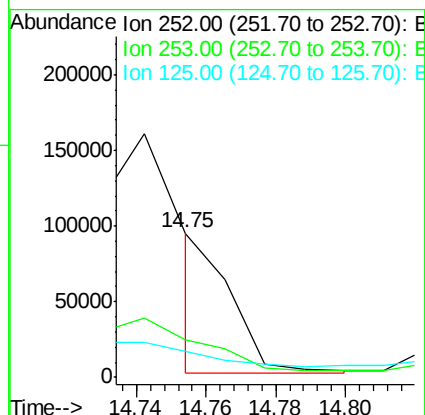
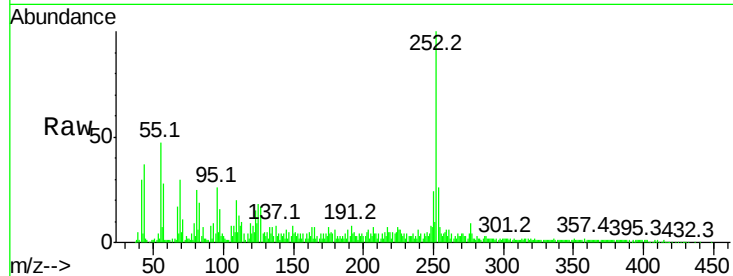
#88
Benzo(k)fluoranthene
Concen: 5.94 ng m
RT: 14.75 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF087140.D
Acq: 18 May 2016 9:30

Instrument :
BNA_F
ClientSampleId :
DUPBRE

Tot Ion:	252	Resp:	50429
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.8	26.6
125	18.2	9.1	13.7#

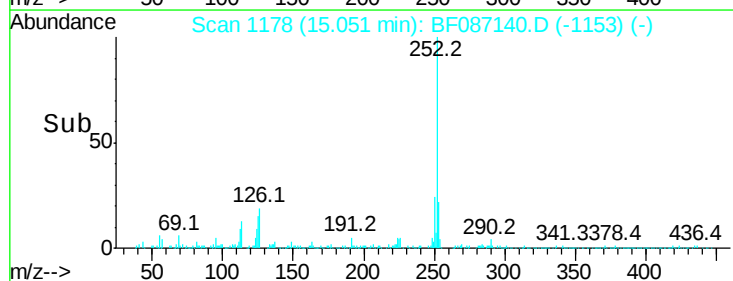
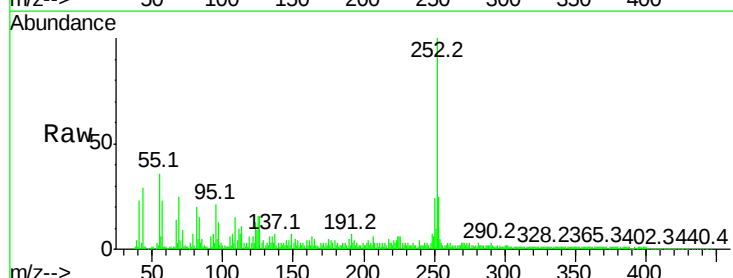
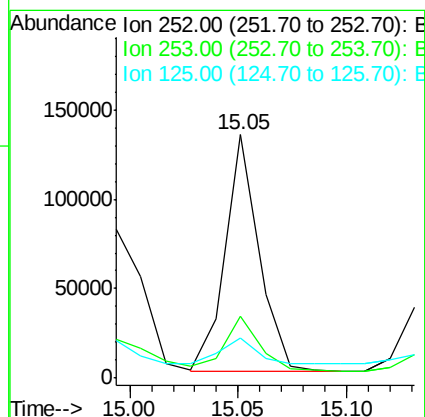
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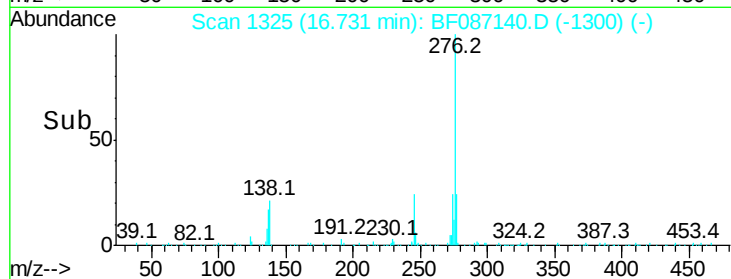
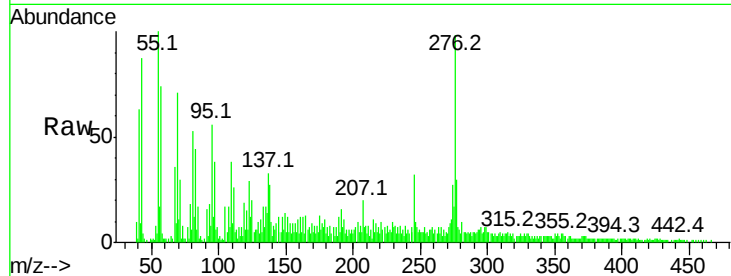
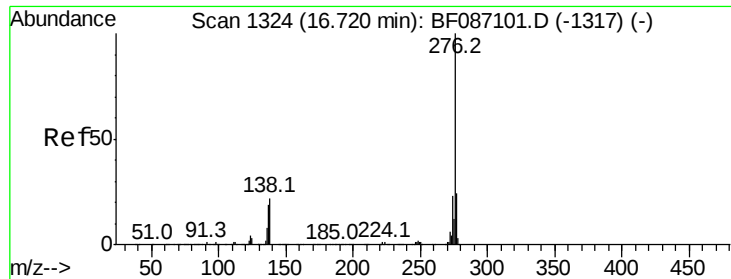
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#89
Benzo(a)pyrene
Concen: 14.94 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF087140.D
Acq: 18 May 2016 9:30

Tgt Ion:	252	Resp:	142325
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.2	25.8
125	16.3	9.0	13.6#





#91

Benzo(a,h,i)perylene

Concen: 7.55 ng

RT: 16.73 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF087140.D

Acq: 18 May 2016 9:30

Instrument :

BNA_F

ClientSampleId :

DUPBRE

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.0	19.6	29.4#
138	27.3	23.6	35.4

Manual Integrations
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